

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
26 February 2004 (26.02.2004)

PCT

(10) International Publication Number
WO 2004/016731 A3

(51) International Patent Classification⁷: **C12N 5/00**,
A01N 63/00, A61K 48/00

(21) International Application Number:
PCT/IL2003/000681

(22) International Filing Date: 17 August 2003 (17.08.2003)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
60/404,137 19 August 2002 (19.08.2002) US
60/404,145 19 August 2002 (19.08.2002) US
152904 17 November 2002 (17.11.2002) IL
PCT/IL03/00062 23 January 2003 (23.01.2003) IL
PCT/IL03/00064 26 January 2003 (26.01.2003) IL
60/452,545 7 March 2003 (07.03.2003) US

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(81) Designated States (*national*): AE, AG, AL, AM, AT (util-
ity model), AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA,
CH, CN, CO, CR, CU, CZ (utility model), CZ, DE (util-
ity model), DE, DK (utility model), DK, DM, DZ, EC, EE
(utility model), EE, ES, FI (utility model), FI, GB, GD, GE,
GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ,
LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN,
MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO,
RU, SC, SD, SE, SG, SK (utility model), SK, SL, SY, TJ,
TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA,
ZM, ZW.

(84) Designated States (*regional*): ARIPO patent (GH, GM,
KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW),
Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),
European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE,
ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO,
SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM,
GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

- with international search report
- before the expiration of the time limit for amending the
claims and to be republished in the event of receipt of
amendments

(88) Date of publication of the international search report:
10 September 2004

*For two-letter codes and other abbreviations, refer to the "Guid-
ance Notes on Codes and Abbreviations" appearing at the begin-
ning of each regular issue of the PCT Gazette.*

(54) Title: EX-VIVO EXPANSION OF HEMATOPOIETIC STEM CELL POPULATIONS IN MONONUCLEAR CELL CUL-
TURES

(57) Abstract: Ex-vivo methods of expanding hematopoietic stem cells of hematopoietic mononuclear cells that comprise a major
fraction of hematopoietic committed cells and a minor fraction of hematopoietic stem and progenitor cells, expanded populations of
hematopoietic stem cells obtained thereby and their uses are disclosed



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